

Section 1. Identification of the substance/mixture and of the company/undertaking

Product Name: MA441 Activator for Filler
Supplier: CSNRI | 621 Lockhaven Drive. Houston, TX 77073 | +1 281.590.8491
Emergency Phone Number: 800.424.9300 (CHEMTREC)
 +1 703.741.5970 (Outside the US)
Product Description: Resin activator
Product Use: For industrial purposes only.
Chemical Name or Synonym: CS/CSM-401

Section 2. Hazards identification
Classification of the substance or mixture

Skin Sensitization – Category 1

Eye irritating – Category 2

Label Elements:

Signal word: Warning

Hazard statements:

H317 - May cause an allergic skin reaction.

H319 – Causes serious eye irritation

Precautionary statement:

P261 - Avoid breathing dust/fume / gas / mist / vapours / spray.

P272 - Contaminated work clothing should not be allowed out of the workplace.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 - IF ON SKIN: Wash with plenty of water.

P321 - P333+P313 - If skin irritation or rash occurs: Get medical advice /attention.

P362+P364 - Take off contaminated clothing and wash it before reuse.

P403 - Store in a well-ventilated place.

P410 - Protect from sunlight.

P420 - Store separately.

P501 - Dispose of contents/container in accordance with Local, State, Federal and Provincial regulations.

Other information: None known

Section 3. Composition/ Information on Ingredients
Substances:

Component	CAS #	Weight %
Calcium carbonate	471-34-1	25 – 70
Magnesite	546-93-0	2.5 – 20
Dibenzoyl peroxide	94-36-0	2.5 – 10



Zinc distearate, pure	557-05-1	≤ 1
Titanium dioxide	13463-67-7	≤ 0.5

Section 4. First Aid Measures

First Aid Measures for Accidental:

Ingestion: If swallowed, do not induce vomiting unless directed to do so by a physician. Never give anything by mouth to an unconscious person. Rinse mouth with water.

Inhalation: Remove to fresh air and seek medical attention. In case of unconsciousness place patient stably inside position for transportation.

Skin Contact: Flush contaminated skin with plenty of soap and water for 15 to 20 minutes, remove contaminated shoes and clothing. Consult physician if symptoms develop.

Eye Contact: Flush with plenty of water for at least 20 minutes. Check for and remove any contact lenses. Call a doctor immediately.

Most important symptoms/effects, acute and delayed: No further relevant information available.

Indication of immediate medical attention and special treatment needed: No further relevant information available.

Section 5. Fire Fighting Measures

Suitable extinguishing media: CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Use fire-fighting measures that suit the environment

Unsuitable extinguishing media: No data available

Special hazards arising from the substance or mixture: No further relevant information available.

Hazardous Decomposition Materials (Under Fire Conditions): Organic peroxides can decompose violently if heated strongly while confined.

Special Protective Equipment and Precautions for Fire Fighters: Firefighters use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Protective clothing and respiratory protective device.

Section 6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures: Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation.

Environmental precautions: Do not allow to enter sewers/ surface or ground water.

Methods and materials for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of contaminated material as waste in accordance with federal state and local regulations. Ensure adequate ventilation.

Protective Action Criteria for Chemicals:

Component	PAC – 1	PAC – 2	PAC – 3
Calcium carbonate	45 mg/m ³	210 mg/m ³	1,300 mg/m ³
Magnesite	45 mg/m ³	260 mg/m ³	1,600 mg/m ³
Dibenzoyl peroxide	15 mg/m ³	1,200 mg/m ³	7,000 mg/m ³
Zinc distearate, pure	30 mg/m ³	330 mg/m ³	2,000 mg/m ³



Section 7. Handling and Storage

Precautions for safe handling: Open and handle receptacle with care. Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols. Keep ignition sources away - Do not smoke. Protect against electrostatic charges. Keep container closed when not in use.

Conditions for safe storage including any incompatibilities: Keep container tightly closed in a cool, well ventilated place. Store in a dry place. Keep away from heat sources and direct sunlight. Store away from oxidizing agents.

Section 8. Exposure Controls / Personal Protection

Exposure Guidelines:

Component	PEL (Long term value)	REL (Long term value)	TLV (Long term value)
Calcium carbonate	15 mg/m ³ (Total dust) 5 mg/m ³ (respirable fraction)	10 mg/m ³ (Total dust) 5 mg/m ³ (respirable fraction)	TLV withdrawn
Magnesite	15 mg/m ³ (Total dust) 5 mg/m ³ (respirable fraction)	10 mg/m ³ (Total dust) 5 mg/m ³ (respirable fraction)	TLV withdrawn
Zinc distearate	15 mg/m ³ (Total dust) 5 mg/m ³ (respirable fraction)	10 mg/m ³ (Total dust) 5 mg/m ³ (respirable fraction)	10 mg/m ³
Titanium dioxide	15 mg/m ³ (Total dust)	-	10 mg/m ³

Appropriate engineering controls: Provide adequate ventilation. In case of development of vapors or dust: The use of local exhaust ventilation is recommended.

Personal protective equipment:

Hygiene measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

Respiratory Protection: Use approved respiratory protection equipment when airborne exposure is excessive. Consult the respirator manufacturer to determine the appropriate type of equipment for a given application. Observe respirator use limitations specified by the manufacturer.

Eye / Face Protection: Wear tightly sealed goggles. Safety glasses with side shields. Use full face shield over protective eye wear when there is a risk of a splash.

Skin Protection: Wear chemical resistant impervious gloves and suitable protective clothing.

Environmental exposure controls: Do not allow material to contaminate ground water system.

Section 9. Physical and Chemical Properties

Appearance (color):	Liquid, red
Odour:	Slight odor
pH:	No data available
Melting point range:	Not applicable
Initial Boiling point/boiling range:	347 °C (656.6 °F)
Flash Point:	182 °C (359.6 °F)
Evaporation rate:	<1 (butyl acetate = 1)
Percent volatile:	<1
Flammability (solid, gas):	No data available
Upper/lower flammability or explosive limits:	Lower: 2.1 Vol % Upper: 12.5 Vol %


MA441 ACTIVATOR FOR FILLER

Vapour pressure:	No data available
Vapour density:	No data available
Relative density:	No data available
Specific gravity:	No data available
Solubility in water:	No data available
Partition coefficient (n-octanol/water):	Not applicable
Auto-ignition temperature:	430 °C (806 °F)
Decomposition temperature:	No data available
Viscosity:	No data available
Explosive properties:	No data available
VOC Content:	0 g/L
Solvent content:	0.0 %
Solids content:	61.4%

Section 10. Stability and Reactivity

Reactivity: No further relevant information available.

Chemical stability: No decomposition if used according to specifications.

Possibility of hazardous reactions: No dangerous reactions known.

Conditions to avoid: Heat, flames, sparks. Direct sunlight.

Incompatible materials: Oxidizing agents, acids, alkalis and amines.

Hazardous decomposition products: Carbon monoxide. Carbon dioxide. Acrylates. Aldehydes. Toxic gases or vapors. Hydrocarbons

Section 11. Toxicological Information

Information on toxicological effects:

Acute toxicity:

- **On the skin:** May irritate the skin.
- **On the eye:** May irritate the eye.
- **Sensitization:** Skin Contact - May cause allergic skin reaction

Additional toxicological information: When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

Carcinogenic categories:

IARC:

Dibenzoyl peroxide: 3

Titanium dioxide: 2B

Mutagenicity: No data available.

Carcinogenicity: No data available.

Tetratogenicity: No data available.

STOT-se / STOT-re: No data available.

Delayed and immediate effects and also chronic effects from short and long-term exposure: No data available.

Numerical measures of toxicity: No data available.

Section 12. Ecological Information

Aquatic toxicity: No data available



Mobility in soil: No data available
Persistence and degradability: data available
Bioaccumulative potential: No data available

Section 13. Disposal Considerations

Waste treatment methods: Must be specially treated adhering to official regulations.
Uncleaned packaging: Disposal must be made according to official regulations.

Section 14. Transport Information

DOT, AND, IMDG, IATA:

Proper shipping name: Not regulated

UN number: Not regulated

Hazard Class: Not regulated

Packing group: Not regulated

Environmental hazards: Not applicable.

Special precautions for user: Not applicable

Section 15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture:

Section 355 (extremely hazardous substances): None of the ingredients is listed

Section 313 (Specific toxic chemical listings):

- Dibenzoyl peroxide
- Zinc distearate

TSCA (Toxic Substances Control Act): All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

(DSL) Canada Domestic Substance List: All components of this product are on the DSL (Canada Domestic Substance list) or are exempt from DSL requirements.

New Jersey Special Hazardous Substance List:

- Dibenzoyl peroxide: F4, R4

Pennsylvania Special Hazardous Substance List:

- Dibenzoyl peroxide: E
- Zinc distearate: E

Carcinogenicity categories"

EPA:

- Zinc distearate: D, I, II

NIOSH-Ca:

- Titanium dioxide

Section 16. Other Information

HMIS Ratings:

HMIS Health Hazard: 1

HMIS Fire Hazard: 1

HMIS Physical Hazard: 0

**Key Legend Information:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

CAS: Chemical Abstracts Service (division of the American Chemical Society)

HMIS: Hazardous Materials Identification System (USA)

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

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